



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPL. NO.: 10/708,571  
APPLICANT(S): Peng Lee  
FILED: March 11, 2004  
TITLE: NONDESTRUCTIVE RESIDENTIAL  
INSPECTION METHOD AND APPARATUS  
TC/A.U.: 2859  
EXAMINER: JAGAN, Mirellys  
DOCKET NO.: 026018.50271

**DECLARATION UNDER 37 CFR § 1.132**

I, Bruce R. Thomas, hereby declare that:

1. I, Bruce R. Thomas, am a home inspector. I have inspected more than 3,500 homes.
2. I am a nationally certified member of ASHI (American Society Home Inspection).
3. I have a degree in building construction with carpentry and construction experience.
4. I was formerly a full-time real estate agent.
5. I have read the attached patent application (App. Tab A) and now use these methods to inspect homes.
6. Based on the process described in the patent application (HomeSafe™ process), I create a temperature differential of greater than 10°F between the inside and the outside of the residential building and turn on substantially all light switches and substantially all exhaust blowers in the residential building, prior to obtaining temperature profiles.
7. Under these conditions I can then obtain temperature profiles of the exterior residential building components; obtain temperature profiles of the interior surface of a pitched roof; obtain temperature profiles of the interior residential building components; obtain temperature profiles of each electrical outlet in a residential building; assess each of the

temperature profiles to detect a thermal anomaly indicative of a problem with the residential building components; and provide a report listing problems to the homeowner.

8. I did not create a temperature differential of greater than 10°F between the inside and the outside of the residential building and turn on substantially all light switches and substantially all exhaust blowers in the residential building, prior to learning these techniques from HomeSafe™. The use of these techniques allow me to rapidly inspect a building because I obtain high contrast temperature profiles that can be easily interpreted.

9. There has been a long felt need in the industry for a process to rapidly, nondestructively inspect residential buildings. Particularly, as a past real estate agent, I can see a need for an infrared based home inspection technology that is sufficiently accurate to nondestructively detect a variety of defects such that the report can be used in real estate transactions.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

  
\_\_\_\_\_  
BRUCE R. THOMAS

DATE: 8/23/06